

# WISCONSIN

## Science and Engineering Profile

	Wisconsin	U.S.	Rank		Wisconsin	U.S.	Rank
Doctoral scientists, 1993	7,029	430,332	22	Total R&D performance, 1993 (millions)	\$1,851	\$161,427	22
Doctoral engineers, 1993	936	81,293	25	Industry R&D, 1993 (millions)	\$1,343	\$117,622	19
S&E doctorates awarded, 1995	612	26,482	14	Academic R&D, 1994 (millions)	\$467	\$20,573	13
of which, in life sciences	28%	24%		of which, in life sciences	59%	55%	
in engineering	21%	23%		in engineering	13%	16%	
in physical sciences	17%	14%		in physical sciences	9%	10%	
S&E postdoctorates, 1994				Higher education current-fund			
in doctorate-granting institutions	648	36,143	17	expenditures, 1993 (millions)	\$3,429	\$163,994	16
S&E graduate students, 1994				Number of SBIR awards, 1990-94	130	18,023	26
in doctorate-granting institutions	8,942	438,694	17	Patents issued to state residents, 1995	1,209	55,717	13
Population, 1995 (000s)	5,123	262,755	18	Gross state product, 1992 (billions)	\$109.5	\$5,994.1	19
Civilian labor force, 1995 (000s)	2,846	132,281	15	of which, agriculture	3%	2%	
Personal income per capita, 1995	\$21,839	\$22,788	23	manufacturing, mining, construction	31%	23%	
Federal spending				transportation, communication, utilities	8%	9%	
Total expenditures, 1995 (millions)	\$19,815	\$1,326,294	24	wholesale and retail trade	15%	16%	
R&D obligations, 1994 (millions)	\$350	\$65,654	27	finance, insurance, real estate	17%	18%	
				services	16%	20%	
				government	11%	12%	

Rankings and totals are based on data for the 50 States and D.C.

Data on S&E postdoctorates and S&E graduate students include health fields.

## Federal Obligations for Research and Development in Wisconsin by Agency and Performer: Fiscal Year 1994

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
<b>Total, all agencies</b>	349,627	40,576	0	37,116	252,386	16,010	3,539	27
<b>Department of Agriculture</b>	37,024	25,257	0	105	11,628	0	34	10
<b>Department of Commerce</b>	2,177	625	0	0	1,502	0	50	30
<b>Department of Defense</b>	39,923	137	0	9,968	21,995	7,823	0	33
<b>Department of Energy</b>	21,328	120	0	0	21,208	0	0	25
<b>Dept. of Health &amp; Human Services</b>	152,319	0	0	1,866	140,333	8,133	1,987	18
<b>Department of the Interior</b>	14,505	13,940	0	150	415	0	0	14
<b>Department of Transportation</b>	3,506	497	0	1,493	123	0	1,393	29
<b>Environmental Protection Agency</b>	1,748	0	0	332	1,416	0	0	26
<b>Nat'l Aeronautics &amp; Space Admin.</b>	37,090	0	0	23,202	13,834	54	0	17
<b>National Science Foundation</b>	40,007	0	0	0	39,932	0	75	18
<b>State rank</b>	27	37	na	36	13	24	24	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.